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TCS - 2673/65
IB - 115/65
8 April 1965
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DECLASS REVIEW by NIMA/DOD

MEMORANDUM FOR: Chief, Manufacturing and Services Division, ORR

ATTENTION : [REDACTED] 25X1A
THROUGH : Chief, Requirements Branch, Reconnaissance Group, CGS
FROM : Chief, Photographic Intelligence Division, CIA
SUBJECT : Shanghai Steam Turbine Plant
Shanghai Electrical Machinery Plant
REFERENCES : (1) ORR Requirement No. C-RR5-82,373
(2) CIA/PID Project No. 30433-5

1. This memorandum is in response to the referenced requirement concerning the facilities of the Shanghai Steam Turbine Plant and the Shanghai Electrical Machinery Plant.

2. (a) The Shanghai Steam Turbine Plant is located on the north bank of the Huang-p-u River approximately 13 nm southwest of the center of Shanghai, China. The plant encompasses an area of approximately 4,800,000 square feet. A wall provides the necessary plant security. Situated on the river's bank, water transportation is readily available. In addition to the various piers along the river, loading and unloading is eased by a large gantry crane which runs from a large machine shop/workshop (item 10) down to the water's edge. The plant is also served by a good road network and by a rail spur, which enters the plant from the adjacent Shanghai Electrical Machinery Plant.

25X1D The industrial buildings north of the steam turbine plant have been constructed since [REDACTED]. Whether this is to be plant expansion or the development of a closely related industry cannot be determined by photography. Although these buildings are serviced by their own power plant and the entire area is secured, there is no rigid segregation of the two complexes.

(b) With a small stream serving as a common boundary, the Shanghai Electrical Machinery Plant lies immediately west of the Shanghai Steam Turbine Plant and contains approximately 7,410,000 square feet. The plant area is secured by means of a wall. Transportation facilities are much the same as those existing in the steam turbine plant; good roads, access to river transport, and a branch rail line which provides service to the north and south portions of the plant. Possibilities for plant expansion are good since the plant is bounded on

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25X1D
25X1D

two sides by farm lands. The plant area may be enlarged either in a westward direction or to the north without any significant loss in transport capabilities. Some construction activity (item 18) was observed on [REDACTED] however, no change in the area was noted as of [REDACTED] New additions in the vicinity of the two plants are shown on Figure 2.

3. All measurements have been made by the CIA/PID project analyst. They should not be construed as being mensuration data compiled by the NPIC Technical Intelligence Division.

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4. The photo analyst for this project was [REDACTED] who may be contacted on extension 2547 should there be any further questions. This project is complete as of the date of this memorandum.

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Enclosures:

2 Annotated Enlargements
CIA/PID/IB-P-351/65 and
CIA/PID/IB-P-352/65

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SHANGHAI STEAM TURBINE PLANT

<u>ITEM</u>	<u>FUNCTION</u>	<u>DIMENSIONS</u>	<u>SQUARE FEET</u>	
1	Probable Assembly Building	530 x 205	108,650	
2	Probable Assembly Building	570 x 300	171,000	25X1D
3	Administrative Building			
4	Probable Workshop	335 x 365	122,275	
5	Workshop	500 x 110	55,000	
6	Possible Foundry/Workshop	320 x 100	32,000	
7	Probable Foundry	Irregular	58,425	
8	Workshop	230 x 120	27,600	
9	Workshop	140 x 125	17,500	
10	Machine Shop/Workshop	440 x 340	149,600	
11	Power Plant	Irregular		25X1D
12	Unidentified Building	220 x 85	18,700	
TOTAL Floorspace of Main Buildings				25X1D

*All measurements are approximate

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SHANGHAI ELECTRICAL MACHINERY PLANT

<u>ITEM</u>	<u>FUNCTION</u>	<u>DIMENSIONS</u>	<u>SQUARE FEET</u>	
1	Probable Assembly Building	660 x 180	118,800	
2	Probable Assembly Building		155,570	25X1D
3	Probable Assembly Building	665 x 155	103,075	
4	Workshop	205 x 150	30,750	
5	Workshop	400 x 110	44,000	
6	Probable Assembly Building	685 x 145	99,325	
7	Workshop	700 x 130	91,000	
8	Machine Shop/Workshop	Irregular	176,650	25X1D
9	Power Plant		6,110	
10	Workshop		26,400	
11	Workshop	245 x 185	45,325	
12	Workshop	220 x 110	24,200	
13	Workshop		13,320	
14	Workshop		11,780	25X1D
15	Workshop	250 x 115	28,750	
16	Workshop	195 x 45	8,775	
17	Probable Foundry	365 x 125	45,625	
18	Construction Activity			
19	Probable Assembly Building	525 x 190	99,750	
20	Workshop	Irregular	35,600	
TOTAL Floorspace of Main Buildings			1,164,805	

*All measurements are approximate

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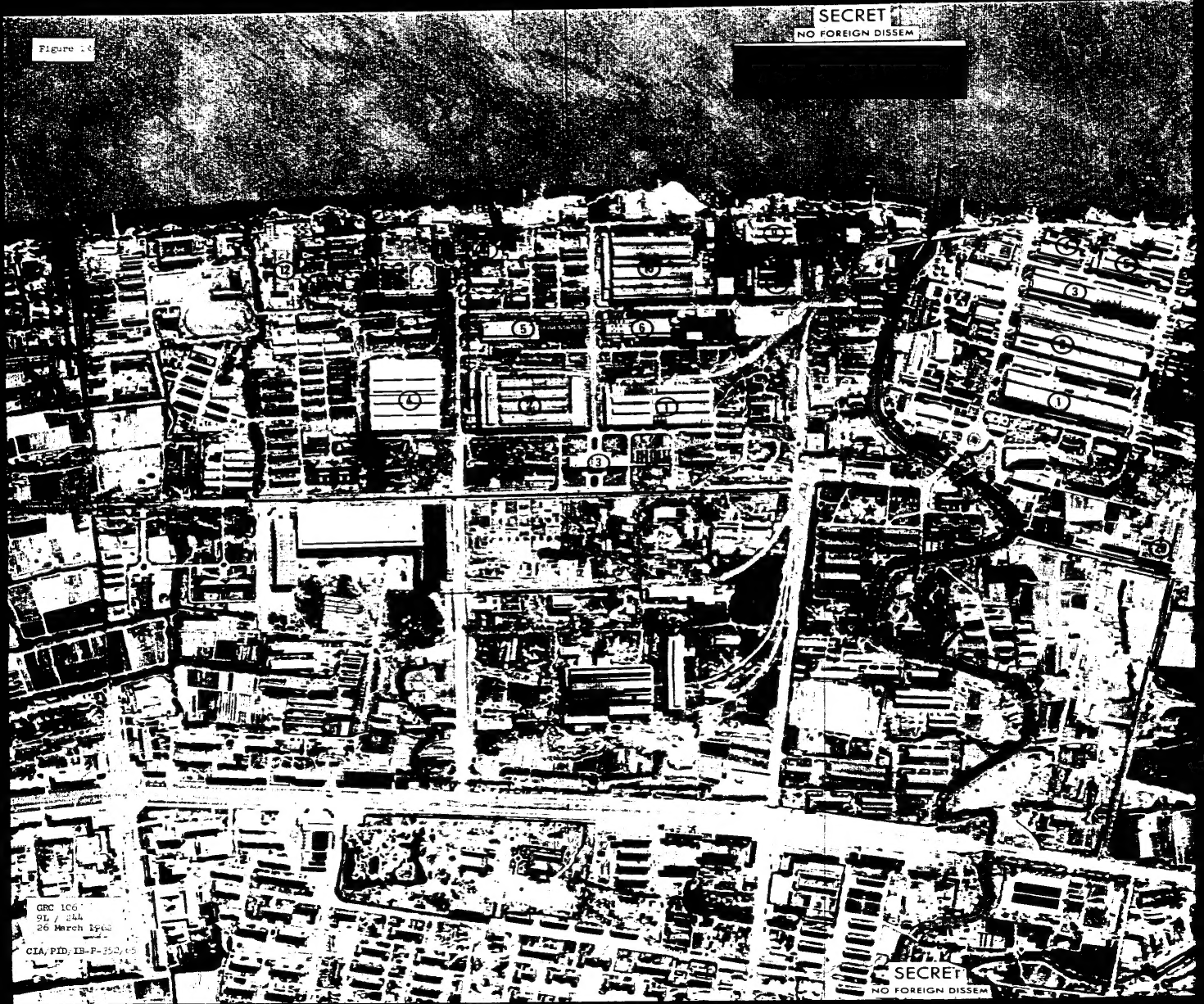
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Figure 10



GRC 106
91 / 244
26 March 1962

CIA, PID, IS-P-252, 65

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